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S.A. Woods, P. Christmas, P. Cross, S.M. Judge and W. Gelletly, Decay studies of ^{237}Np with an iron-free $\pi\sqrt{2}$ double-focusing, β-ray spectrometer of improved efficiency, Nucl. Instr. and Meth. A264 (1988) 333–356 .. A270 (1988) 203

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